

**ARMY NATIONAL GUARD
FY06 UFR'S**

15 January 2005

SUBJECT: Tactical Electric Power (Medium Sets 5-60kw)

FY06 UFR: Medium Sets 200.M

APPN: OPA3

AREA OF INTEREST: MODERNIZATION

DESCRIPTION: The medium set effort includes the following Tactical Quiet Generator (TQG) sets: 5kw (60Hz & 400Hz), 10kw (60Hz & 400Hz), 15kw (60Hz & 400Hz), 30kw (60Hz & 400Hz) and 60kw (60Hz & 400Hz).

The small set effort includes the following Tactical Quiet Generator (TQG) sets: 3kw 60Hz, AC, Skid-mounted; 3kw, 400Hz, AC, skid-mounted; power plant, AN/MJQ-42, two 3kw 60Hz, AC, M116A3 Trailer Mounted with rack assembly, stowage, and ancillary equipment; and power plant, AN/MJQ-43, two 3kw, 60Hz, AC, M116A3 Trailer-Mounted with ancillary equipment.

ISSUE JUSTIFICATION: These sets will replace corresponding MIL-STD units which are overaged (over 18 years old), gasoline and diesel engine driven with modernized assets. The new sets increase safety and survivability by reducing operating noise levels, reducing weight, providing high altitude electromagnetic pulse protection and increasing infrared signature suppression. These new modernized sets will support Missile/Air Defense Systems (PATRIOT Missile System, Avenger and Multiple Launch Rocket Systems), Tactical Operations Centers, numerous communication and combat systems.

PROGRAM STATUS: At this time no change from FY05 Information Paper, based on FY09 Force Structure not including Modularity partially funded through current POM. Force Structure requirements will change once TAA and Modularity is programmed for ARNG units. Information listed below is based on Current programmed ARNG FY09 requirements 11,030 5-60kw generators currently 1,237 on hand, proposed fielding numbers for FY04 912, FY05 1172, FY06 1256, after FY06 proposed Re-Set and APS (Army Preposition Stock) new requirements could affect ARNG units, leaving a requirement of 6,453 5-60kw generators. Per HQDA G8 June 2004 latest information is only SBCT and Modularity units will new receive generators. At this time UFR only reflects shortages for 5-60kw Medium sets.

IMPACT OF FUNDING THE CAPABILITY: Fielding the sets would allow the ARNG to supply electrical power as needed to fulfill federal and state mission requirements. It would also provide one of the most considered necessary commodities during a natural disaster or state emergency.

(Include for internal ARNG coordination/use only)

SUBJECT: Tactical Electric Power (5-60kw Medium Set Generators)

APPN: OPA3

APE:

MDEP: RJC9

MDEP TITLE: Tactical Electric Power

DAMO-ZR 1-N List Priority Number:

Division Priority:

Functional POC: Debbie Wasner/NGB-ARQ/ 703-607-7834

Approval Authority: COL Moore /NGB-ARQ/ 703-607-7804

Medium Sets 5-60kw Generators

\$K	FY06	
Validated Requirement	\$ 204,263,000	\$
Unvalidated Requirement	\$ 0	
Total Requirement	\$ 204,263,000	\$
Funded Amount	\$ 4,263,000	\$
Total UFR	\$ 200,000,000	\$

Data is provided as of the PF 3.0 locked position

ANALYSIS: Fieldings of TQGs to AC forces in Europe have resulted in the cascade of insufficient numbers of the older diesel generators to meet existing critical shortfalls. The ARNG needs to upgrade and improve its aging, anemic inventory of generators and accelerate the fielding of TQG to more units within the ARNG.

***Note: Changes in requirements and unit costs due to the on-going design of the Modular Force require this information paper be updated periodically. Next analysis and update will occur in early March 05.**